

CARING FOR FARM DRAFTERS

Farmers Should Keep Horses in Proper Condition in Winter by Keeping Them at Work.

(By WILLIAM A. FREEHOFF.) Most farmers do not get full use of their horses through failure to provide work for them during the winter months.

Altogether they are kept idle for so many days that the average number of hours worked per day for a year is even less than two, counting those days in summer when overtime is the rule for man and beast.

This condition is unprofitable from an economic point of view, and from the standpoint of the horse's health.

Heavy drafters in good flesh and fed liberally on oats and timothy will need exercise and plenty of it to keep in fair health during the winter. They will need warm stables properly ventilated; there must be no cement or other damp floors for them to lie on; there must be plenty of air and sunshine.

One winter we fed scarcely anything but straw and just a little grain and the horses came through in better shape than those of a neighbor who fed liberally, but who did not have any more work for his horses than we had.

I know of a farmer who regularly hires a teamster to take his magnificent drafters into the employ of the local ice company and so keeps them busy during the winter.

Neither of these men make very much money through the deal, but they force their horses to pay for their winter board and to come through in splendid shape for the summer's heavy grind.

STAPLE FOOD FOR POULTRY

Grain is Beneficial to All Farm Fowls, but Variety is Necessary for Egg Production.

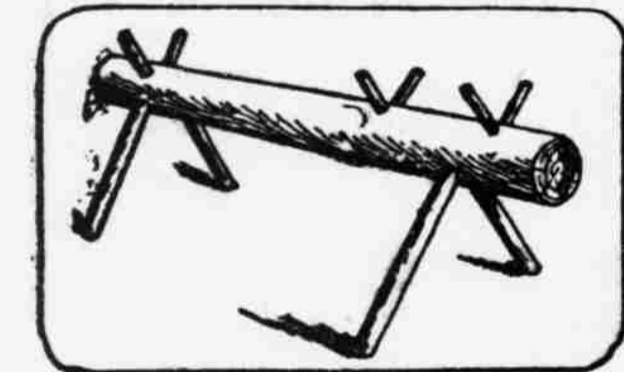
Grain is the staple food for poultry, and will be used for that purpose as long as fowls are kept on farms; but hens can not give good results on grain alone.

Even grains vary in composition, and when fowls are fed on one kind for a long time, they will begin to refuse it, as they may be oversupplied with the elements of the food.

SAW HORSE FOR SMALL LOGS

Directions Given for Making Ordinary Buck for the Purpose of Cutting Up Timber.

For sawing up heavy timber where an ordinary saw horse would not be strong enough, take a log about 1 foot in diameter and 10 or 12 feet long.



Saw Buck for Small Logs.

sticks for legs, and when the legs are in place bore six 2-inch holes along the upper side and insert foot long pegs, having two pairs quite close together for convenience in sawing short lengths.

To Avoid the Runty Pig.

Runty pigs stand a poor show at the feeding trough with a bunch of their husky brothers and sisters. As they are crowded out of place naturally they do not get enough to eat to keep them growing, and they stay runty.

A trough arranged with V-shaped partitions set strongly in the trough would give the little fellows an equal show with the big ones, and the weaker ones could get their share of food.

Soil for Grapes.

It is claimed that grapes grown in a clayey soil are darker and more glossy than when grown on gravelly land; but the sweetest and richest tasted grapes are grown on gravelly soil.

Vegetables for Hens.

Vegetables are great for the hens, especially when they can't get green feed in the fields.

EXCELLENT TIME FOR LAYING

Not Advisable to Have Pullets Producing Eggs Before October—Cold Weather Hinders.

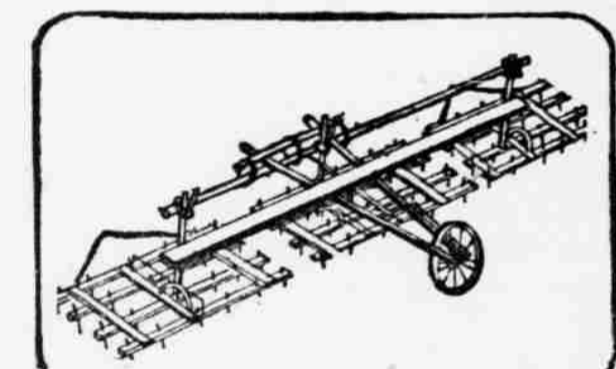
Many poultry raisers believe that the sooner pullets start laying the greater the financial returns will be, but this is not always the case. It is not advisable to have pullets laying before October at the earliest, except in the few cases where winter eggs are not wanted.

The time the pullets are hatched has more to do with the time they start laying than anything else, but the system of feeding has considerable to do with it also.

USE WHEELBARROW SEEDER

Implement is Hitched to Harrow by Means of Rope Attached to Pipe—Saves One Operation.

This makes a handy way to use a wheelbarrow seeder behind a harrow. I used a four-section harrow with it and lapped what the seeder didn't cover each time.



Seeder Runs Behind.

the seeder handles loosely rest on this pipe, but a stick is placed over them and wired to the pipe so as not to allow too much free play.

DAIRY COWS ON SMALL FARM

Where No Considerable Amount of Live Stock is Kept Animals Are of Much Importance.

Dairying should be a justifiable factor in the operations of every quarter section farm from the standpoint of balancing the farm work.

Gain on Meat Rations.

The New York experiment station found that cockerels fed meat gained 56 1/2 per cent. more weight, and such pullets laid eight weeks earlier than those without meat, but earlier on a similar diet.

Meat-fed ducks were out of sight of those deprived of it. Again the experiment was tried with a more careful attention to a supply of mineral matter for those without meat, and it was found vegetable protein could largely take the place of meat in case of chickens, but not with ducks.

Desirable Seed Ears.

The best ears of corn have the butts well rounded out with well-shaped kernels. Ears having straight rows of kernels and a medium size shank are desirable.

Good Dairy Farmer.

A good dairy farmer has been described as "a good general farmer plus the love of cows." This is a good definition, because the man who does not have a fondness for cattle, and who does not find some satisfaction in caring for them seldom turns out to be a very capable and prosperous dairy farmer.

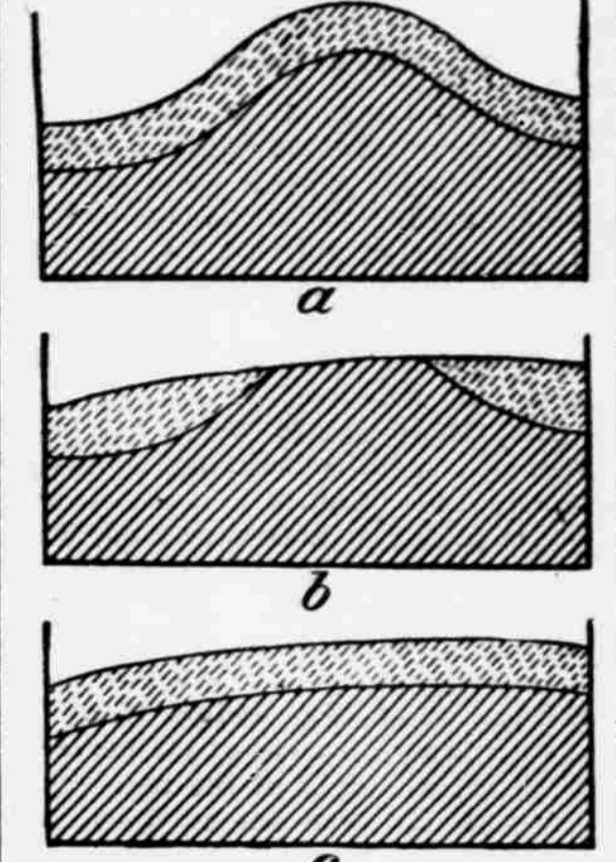
Slobber in Horses.

Cabbage will sometimes cure slobber in horses, caused by eating white clover; but it is better to keep the clover away from the horses.

GRADING SOILS FOR A LAWN

Leguminous Crop of Some Kind Should Be Planted to Furnish Vegetable Matter Needed.

The ideal soil for grasses best suited for lawn making is one which is moderately moist and contains a considerable percentage of clay—a soil which is somewhat retentive of moisture, but never becomes excessively wet, and is inclined to be heavy and compact rather than light, loose and sandy.



Proper and improper soil grading. a, Soil to be graded; b, improper grading, showing exposure of subsoil; c, proper grading.

Proper means a soil which will approach in texture either of the types recommended. Our effort should nevertheless, be directed to attaining as closely as possible these ideals.

Where a pure sand or a light sandy soil is the only foundation for the lawn a top dressing of two or three inches of clay should be given and incorporated with the first four to six inches of the sand, and after this, if possible, the area should be used for the production of some crop which gives an abundance of vegetable matter.

In establishing lawns all grading should be done while the land is in the rough, just after the first breaking of the soil by plowing.

How to Break Up Brooding.

The best and quickest method of breaking up broody hens is to build a cage entirely of laths, without any solid floor to it, and hang or fasten the cage up outdoors where the air can pass through it.

New Cabbage Variety.

The Enkhuizen Glory cabbage is receiving more attention, perhaps than any other variety introduced in recent years, says a writer in an exchange.

Bees in General Farming.

A few of us realize how important bees are to our farm, garden and orchard crop. If the bees were terminated this year there would be a failure of the clover seed crop; the same would be true of many vegetables and fruits.

Small Farms Best.

Some men think it a fine thing to own big farms, and so it is, provided one knows how to manage them to advantage, but a little farm kept well in hand fattens the bank account more than a big one neglected.

GAPES GET WEAK CHICKENS

If Fowls Are Kept Dry, Thrifty and Well Fed They Will Seldom Be Subject to Disease.

Perhaps it would not do to say that all chickens that die from gapes are those that are poorly fed and cared for, but it is undeniably true that if the chickens are well fed on feeding boards and kept dry and thrifty they will seldom be attacked.

It is generally believed that gapes are produced by minute worms which are propagated in the soil. It follows that if the chickens are fed on the same ground all through the season they are more liable to be troubled by the gapes than if they are fed on dry floors.

Preventative is better than cure always and if the chickens are fed on dry floors for the first few weeks of their lives and the yards in which they run changed two or three times during the season they will seldom suffer from the gapes.

We believe that this trouble is the result of poorly kept quarters just as lice and mites come when the coops and grounds are neglected. We have never yet heard of an epidemic of gapes in a flock of chicks where every sanitary precaution was taken and they were cared for just as they should be.

When you come to study this assertion you will see that a high standard is set for the amateur chicken-raiser, but if it is maintained your chickens will not die from gapes.

To those whose flocks are suffering the best cure is a simple one—carbolic acid.

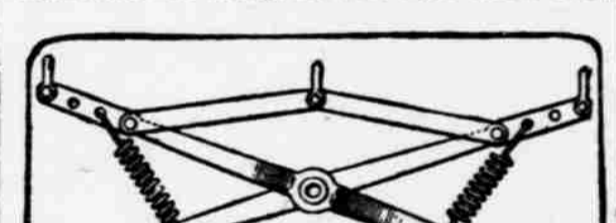
As soon as the chicks show signs of gapes make a small coop with two compartments, an upper and lower. Place a hot brick in the lower one and drop in it three or four drops of carbolic acid.

One or two careful treatments in this way will kill the worms in the air passages and it is time for the owner of the flock to put his chicks on new ground, disinfect their roosting quarters and everything else about the place if he would keep them healthy.

DRAFT EQUALIZER ON TRUCKS

Invention Involves Plurality of Levers in Pivotal Relation—Plan of Device Shown.

In describing and illustrating a draft equalizer for trucks, invented by D. M. Murken of Manhattan, N. Y., the Scientific American says: This draft equalizer is adapted for use of trucks or other vehicles, drawn by either one, two or three animals pulling abreast so that the leverage will be equalized, the invention involving a plurality of levers in pivotal relation with each other and also articulated through the medium of springs.



Draft Equalizer For Trucks.

two or three swingle-trees, it being desirable in some instances that the animals used with vehicles be changed at short notice, and the structure of the device is particularly adapted for such change. The accompanying engraving shows a plan view of the device.

GARDEN and FARM NOTES

Keep a record—our memories are short. Now is a good time to examine the seed corn.

Let the manure freeze after being hauled to the field; not around the barn.

The finer the soil, the better the vegetables, both in quantity and quality.

Most farms should carry more live stock, in order to help maintain the fertility of the soil.

Cleanliness in Gardening. Cleanliness is exceedingly important. Vegetables grown in sandy soils require less cleaning.

Should Not Rob Soil. It is very essential to make money, but it should not be done at a sacrifice of the fertility that is in the land.

Ventilation for Chickens. Unless there is fresh air to reach all parts of the body, the hen will not do well. Unless there is good ventilation to carry off the moisture of respiration the house is bound to be damp.

CONCRETE FLOORS FOR HOGS

Just Enough Bedding Required to Keep Animal From Coming in Contact With Cold Material.

I am using concrete floors in our hog houses, and have found that I need very little bedding. Just enough to keep the body of the pig from coming in contact with the concrete. It is easy to keep a concrete floor warm if the cold air cannot get under it, says a writer in an exchange.

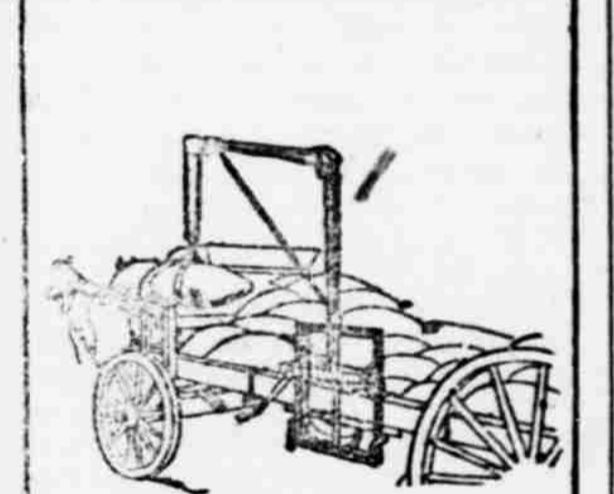
A dipping tank is essential, not only for destroying lice, but for promoting health conditions in general. I dip my pigs, once in two months, more often if the animals are bothered with lice, and use any of the dip on the market that have crude oil as a basis.

I keep wood ashes and a little lime in a self-feeder before the pigs all the time. Hogs need more mineral matter than they usually get.

HANDY DERRICK FOR WAGON

Portable Hoisting Apparatus Saves Teamster Much Lifting—Rigged Up in Few Minutes.

No longer need a teamster break his back removing heavy bags of cement or sand or whatever it may be from his wagon. Nor will he need a helper. A man in the state of Washington has invented a portable hoisting apparatus which can be carried in the wagon and rigged up on one side in a few minutes.



Wagon Derrick.

is attached to this frame and operates running chains that have two iron jaws at the end. The jaws are lowered until they grip a bag around the center and the windlass is then wound up and the crane swung outward, lifting the load from the wagon easily and swiftly.

Alfalfa Hay.

Alfalfa hay is a much more economical feed for lambs than prairie hay, according to results of an experiment conducted at South Dakota and just published in Bulletin No. 119. It required 3.08 pounds of grain and 3.95 pounds of alfalfa to make a pound of gain.

To Destroy Stumps.

The best time to destroy hard wood stumps is after they have stood two or three years and the roots become brittle. With an iron bar punch a hole under the stump, or use one of the borers made for the purpose, but do not loosen the soil except by making the hole. Place the dynamite well under the center of the stump.

Should Not Rob Soil.

It is very essential to make money, but it should not be done at a sacrifice of the fertility that is in the land. The thing to do is to raise crops that will enrich the land at the same time.

Ventilation for Chickens.

Unless there is fresh air to reach all parts of the body, the hen will not do well. Unless there is good ventilation to carry off the moisture of respiration the house is bound to be damp.

TO DECEIVE THE PUBLIC.

The Webb Liquor Bill is Full of Cobwebs—Even if it Covered the Case it Provides No Penalty.

Southport News.]

By a vote of 248 to 65 the Webb-Kenyon liquor bill passed the House of Representatives Saturday.

Representative Fitzgerald, of New York, declared that "nobody expects this bill to become a law; it is brought up so that some members may have an opportunity to feel the public."

Republican Leader Mann denounced it as "an effort to Sim-Sam the public."

This is just what the bill is: an effort to deceive the public. There is not any penalty attached to the breaking of this law; that alone shows it to be a farce.

We sent out 125 copies of the News containing our editorial on the "Webb-Kenyon bill" telling the truth about it and its effect. They were sent to Senators, Congressmen, temperance, editors, all over the country, but not one criticism, not one reply, has been received.

We were told the other day that not another paper in North Carolina would have dared print the editorial in question.

We again state that the bill is not what the people have been led to believe it to be; that it will not change in any way the present law now on the North Carolina statute books.

That it will not prevent any person desiring to purchase liquor for home consumption and for friends, from receiving by parcel post or express all the liquor he may desire to order.

If this be true, let somebody deny this statement.

Went Shut Off Their Supply.

Some of those who voted for prohibition are strong with the personal liberty argument when there is a real effort to shut off their supply.

It Was to Run.

Anxious Traveler (addressing street urchin): "Can you tell me, my little man, the quickest way to reach the station?" Street Urchin: "Run Mister!"

Makes the Nation Gasp.

The awful list of injuries on a Fourth of July staggers humanity. Set over against it, however, is the wonderful healing, by Bucklen's Arnica Salve, of thousands who suffered from burns, cuts, bruises, bullet wounds or explosions. It's the quick healer of boils, ulcers, eczema, sore lips or piles. Twenty-five cents at all druggists.

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NOTICE OF SALE OF LAND.

By virtue of the power and authority given in a mortgage deed executed on the 12th day of July, 1910, by L. F. Stewart and wife to J. J. Reynolds, recorded in the Register of Deeds office, Wake County, in Book 258, at page 246, I will offer for sale at the court-house door in Raleigh, N. C., on Monday, November 4, 1912, the following piece or parcel of land situate in Buckhorn Township, Wake County, bounded as follows: On the east by Henderson Barker and the south by J. J. Haskney and the west by Sarah Clark and the north by Deb Evans, containing thirty acres more or less.

Terms cash.

J. J. REYNOLDS, Mortgagee.

C. M. BERNARD, Attorney.

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